

YWHAH Human

Description: YWHAH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 266 amino acids and having a molecular mass of 30.3 kDa. YWHAH is fused to N-Terminus His Tag and purified by proprietary chromatographic techniques.

Catalog #: PKPS-354

For research use only.

Synonyms: 14-3-3 ETA, YWHAH, YWHA1, Protein AS1, Tyr-3/Trp-5 Monooxygenase Activation Protein ETA.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGDREQLLQR ARLAEQAERY
DDMASAMKAV TELNEPLSNE DRNLLSVAYK NVVGARRSSW RVISSIEQKT MADGNEKKLE
KVKAYREKIE KELETVCNDV LSLLDKFLIK NCNDFQYESK VFYLMKMGDY YRYLAEVASG
EKKNSVVEAS EAAYKEAFEI SKEQMOPHTP IRLGLALNFS VFYIEIQNAP EQACLLAKQA
FDDAIAELDT LN

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

YWHAH solution containing 20mM Tris pH-8.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

YWHAH belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. 14-3-3 ETA is found in plants and mammals, and there is 99% identity to the mouse, rat and bovine orthologs. YWHAH gene contains a 7 base pair repeat sequence in its 5' UTR, and changes in the number of this repeat has been associated with early-onset schizophrenia. 14-3-3 eta is specific to the site of joint inflammation. 14-3-3 proteins are colocalized with Lewy bodies in Parkinson disease, though there is no specific staining for the 14-3-3 eta subunit. There are 3 different isoforms types of 14-3-3: Beta, Gamma and ETA that are DAL-1/Protein 4.1B-binding proteins.

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